Listing and Amendments to the Claims

1. (currently amended) Method for <u>encrypting data</u> ~~renewing a symmetric key~~ in a communication network comprising a device of a first type containing:

    - a first symmetric key for encrypting the data to be sent to a device of a second type connected to the network<u>, wherein said second type of device is a different device type from said device of a first type</u>; and

    - <u>and an encrypted first symmetric key which is generated from the encryption of</u> said first symmetric key ~~encrypted~~ with a second symmetric network key known only by at least one device of a second type connected to said network;

    the method comprising the steps ~~that consist,~~ for the device of a first type <u>of</u>~~, in~~:

    (a) generating a random number;

    (b) computing a new symmetric key as a function of the first symmetric key and said random number;

    (c) encrypting the data to be transmitted with the new symmetric key; and

    (d) transmitting to a device of a second type, via said network:

    -   the data encrypted with the new symmetric key;

    -   the random number; and

    -   said <u>encrypted</u> first symmetric key<u>.</u> ~~encrypted with the second symmetric network key.~~

2. (currently amended) Method according to claim 1, wherein the function used to compute the new symmetric key is a one-way derivation function.

3. (currently amended) Method according to claim 2, wherein the function is a hash ~~or encryption~~ function.

4. (currently amended) Method according to <u>claim 1</u>, also comprising the steps ~~consisting,~~ for the device of a second type that receives data transmitted at step (d) <u>of</u> ~~, in~~:

(e) decrypting, with the second symmetric network key the <u>encrypted first symmetric key as to produce</u> ~~encryption of~~ the first symmetric key;

(f) determining, based on the first symmetric key obtained at step (e) and on said random number, the new symmetric key; and

(g) decrypting the data received with the new symmetric key ~~thus obtained~~.